

CLAIMS

- 5 **1)** A domain name server (DNS), associated with a database, having means to receive requests ® containing a domain name, and the means to return to the sender of the said request, a response containing one or more addresses associated with the said domain name, characterised in that the said address or addresses are sequenced within the said response by the said domain
- 10 name server.
- 2)** A domain name server according to claim 1, in which the sequencing is effected at least as a function of the content of the said request.
- 3)** A domain name server according to claim 2, in which the sequencing is in addition effected as a function of the topology of the network, where the most
- 15 local address, used to address both the said sender of the request and the network element corresponding to the said domain name, is inserted first.
- 4)** A domain name server according to claim 3, in which the sequencing is effected in such a manner that in the case of the presence of an IPv4 cloud (here N_4) between the said sender of the request and the network element
- 20 corresponding to the said domain name, an address of the "6to4" type is inserted first (here a_{6to4}).